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For TARDEC Ground System Survivability Advanced Planning Briefing to Industry

14. ABSTRACT
Explore the capabilities to protect the M1151 HMMWV platform against emerging Threshold and Objective underbody threats

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TECHNOLOGY DRIVEN. WARFIGHTER FOCUSED.

MEC-V Survivability Demonstration

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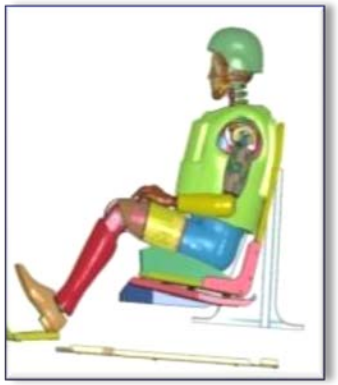
Distribution A: Approved for Public Release

Program Overview



Schedule & Cost

Milestones	FY12	FY13	FY14
Acquisition Decision Memorandum			
Release SOW and Evaluate Offers			
Award contracts to 6 contractors			
Conduct Start of Work Meetings and Test Readiness Reviews			
Assets Arrive at Test Facility			
Conduct Testing			
Complete Testing and Write Report			
Concurrent M&S Studies			
TOTAL: **$22M (6.4)**		**22.0**	

Purpose:

- Explore the capabilities to protect the M1151 HMMWV platform against emerging Threshold and Objective underbody threats
- Compare and contrast several Industry vehicle designs to determine design characteristics that contribute to a reduction in occupant injury during underbody events
- Assess various potential blast mitigating technologies for Light Tactical Vehicle (LTV) platforms and their corresponding TRL
- Upgrade RDECOM's underbody event reconstruction and "excursion" M&S capabilities with respect to LTV platforms

Product(s):

- Final report detailing design methodologies that provide increased occupant protection during underbody events
- System level test and evaluation reports for several LTV vehicle systems
- M&S results for reconstruction of actual test events, as well as results for underbody excursions above the objective level

Payoff:

- Demonstrate the "what's possible" with regards to light vehicle platforms (~18,500 lbs) and underbody protection
- Provide US Army data on technologies/techniques critical to the success of a vehicle system against underbody threats
- Further refine and improve the Army's M&S capabilities and aid with future R&D efforts with respect to LTV underbody technologies
- Demonstrate TRLs of advanced underbody individual technologies